List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Spatial variability of the physicochemical properties of acidic soils along an altitudinal gradient in Colombia. Environmental Earth Sciences, 2022, 81, 1.	1.3	6
2	Soil science education: A multinational look at current perspectives. Journal of Natural Resources and Life Sciences Education, 2022, 51, .	0.8	7
3	Identification and Counting of European Souslik Burrows from UAV Images by Pixel-Based Image Analysis and Random Forest Classification: A Simple, Semi-Automated, yet Accurate Method for Estimating Population Size. Remote Sensing, 2022, 14, 2025.	1.8	5
4	The importance of soil education to connectivity as a dimension of soil security. Soil Security, 2022, 7, 100066.	1.2	6
5	Soil and human health. , 2022, , .		0
6	Early indicators of pedogenesis at Harrat Khaybar volcano, Saudi Arabia. Geoderma, 2021, 383, 114743.	2.3	4
7	Land system diversity, scaling laws and polygons map analysis. European Journal of Soil Science, 2021, 72, 656-666.	1.8	4
8	Exploring the scaling law of geographical space: Gaussian versus Paretian thinking. European Journal of Soil Science, 2021, 72, 495-509.	1.8	6
9	Ecological risk assessment and source apportionment of heavy metals contamination: an appraisal based on the Tellus soil survey. Environmental Geochemistry and Health, 2021, 43, 2121-2142.	1.8	48
10	Natural sciences education in a COVIDâ€19 world. Journal of Natural Resources and Life Sciences Education, 2021, 50, e20067.	0.8	7
11	Greenhouse gas balance and mitigation potential of agricultural systems in Colombia: A systematic analysis. , 2021, 11, 554-572.		6
12	International gender equity in soil science. European Journal of Soil Science, 2021, 72, 1929-1939.	1.8	10
13	Ecofriendly remediation technologies for wastewater contaminated with heavy metals with special focus on using water hyacinth and black tea wastes: a review. Environmental Monitoring and Assessment, 2021, 193, 449.	1.3	21
14	Soils and sustainable development goals of the United Nations: An International Union of Soil Sciences perspective. Geoderma Regional, 2021, 25, e00398.	0.9	133
15	Available concentrations of some potentially toxic and emerging contaminants in different soil orders in Egypt and assessment of soil pollution. Journal of Soils and Sediments, 2021, 21, 3645-3662.	1.5	8
16	Planning for disposal of COVID-19 pandemic wastes in developing countries: a review of current challenges. Environmental Monitoring and Assessment, 2021, 193, 592.	1.3	21
17	Assessing the Complex Links Between Soils and Human Health: An Area of Pressing Need. Frontiers in Soil Science, 2021, 1, .	0.8	2
18	Soils, Biofortification, and Human Health Under COVID-19: Challenges and Opportunities. Frontiers in Soil Science, 2021, 1, .	0.8	1

# ARTICLE IF CITATIONS Spatial variability of soil mineral fractions and bulk density in Northern Ireland: Assessing the influence of topography using different interpolation methods and fractal analysis. Catena, 2021, 207, 2.2 105646. Medical Geology of Soil Ecology., 2021, , 343-401. 20 1 Pivoting to online laboratories due to COVIDâ€19 using the Science of Agriculture digital tools: A case 0.8 study. Journal of Natural Resources and Life Sciences Education, 2021, 50, e20045. Predicting Soil Cation Exchange Capacity in Entisols with Divergent Textural Classes: The Case of 22 1.2 4 Northern Sudan Soils. Air, Soil and Water Research, 2021, 14, 117862212110423. GUEST EDITORIALâ€"SPECIAL ISSUE: Mapping and modelling soil erosion to address societal challenges in a changing world. Land Degradation and Development, 2020, 31, 2519-2524. 1.8 First evidence for the presence of Andisols in the dry-hot environment of the Arabian Shield. 24 2.3 8 Geoderma, 2020, 361, 114068. Degrees earned by faculty teaching in soil science preparatory programs at universities in the USA. 0.8 Journal of Natural Resources and Life Sciences Education, 2020, 49, e20033. Soil and Human Health: Current Status and Future Needs. Air, Soil and Water Research, 2020, 13, 1.2 26 131 117862212093444. Undergraduate degrees that train students for soil science careers at universities in the USA and its 1.2 territories. Soil Science Society of America Journal, 2020, 84, 1797-1807. 28 Managing Soils for Recovering from the COVID-19 Pandemic. Soil Systems, 2020, 4, 46. 1.0 51 Soil pathogens that may potentially cause pandemics, including severe acute respiratory syndrome (SARS) coronaviruses. Current Opinion in Environmental Science and Health, 2020, 17, 35-40. Selenium and Nano-Selenium Biofortification for Human Health: Opportunities and Challenges. Soil 30 1.0 50 Systems, 2020, 4, 57. Soil Science Challenges in a New Era: A Transdisciplinary Overview of Relevant Topics. Air, Soil and 1.2 69 Water Research, 2020, 13, 117862212097749. Phosphorus Availability and Potential Environmental Risk Assessment in Alkaline Soils. Agriculture 32 1.4 8 (Switzerland), 2020, 10, 172. Investigation of the clay minerals composition of soils derived from basalt parent materials in the Early Miocene to Early Pleistocene on the Arabian Shield using multiple techniques: implications for 1.3 paleoclimatic conditions. Environmental Earth Sciences, 2020, 79, 1. Dataset on the existence of andisols under aridic-hyperthermic environments in the harrats region of 34 0.5 2 the Arabian Shield. Data in Brief, 2020, 28, 105072. The effect of adding online homework assignments to a small introductory physical geologyÂclass. 0.8 Journal of Natural Resources and Life Sciences Education, 2020, 49, e20020. Dataset on the Mediterranean soils from the coastal region of the Lattakia governorate, Syria. Data in 36 0.5 4 Brief, 2020, 29, 105254.

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37	Enhanced Immobilization and Phytoremediation of Heavy Metals in Landfill Contaminated Soils. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	29
38	Soil and Air Pollution in the Era of COVID-19: A Global Issue. Egyptian Journal of Soil Science, 2020, .	0.1	3
39	New Pollution Challenges in Groundwater and Wastewater Due to COVID-19. Journal of Sustainable Agricultural Sciences, 2020, .	0.0	2
40	Pedosphere. , 2019, , 162-168.		1
41	Soils and Humans. World Soils Book Series, 2019, , 201-213.	0.1	2
42	Seasonal and Spatial Distribution of Soil Trace Elements around Kitchener Drain in the Northern Nile Delta, Egypt. Agriculture (Switzerland), 2019, 9, 152.	1.4	23
43	Divergence in natural diversity studies: The need to standardize methods and goals. Catena, 2019, 182, 104110.	2.2	17
44	Special section on soil and human health – An editorial. European Journal of Soil Science, 2019, 70, 859-861.	1.8	2
45	Mobility, distribution, and potential risk assessment of selected trace elements in soils of the Nile Delta, Egypt. Environmental Monitoring and Assessment, 2019, 191, 713.	1.3	31
46	Women in Soil Science: Growing Participation, Emerging Gaps, and the Opportunities for Advancement in the USA. Soil Science Society of America Journal, 2019, 83, 1278-1289.	1.2	21
47	Bachelors-Level Soil Science Training at Land-Grant Institutions in the United States and Its Territories. Journal of Natural Resources and Life Sciences Education, 2019, 48, 180021.	0.8	7
48	Rapid quantification of lignite sulfur content: Combining optical and X-ray approaches. International Journal of Coal Geology, 2019, 216, 103336.	1.9	15
49	Progress in soil geography I: Reinvigoration. Progress in Physical Geography, 2019, 43, 827-854.	1.4	7
50	Connecting the public with soil to improve human health. European Journal of Soil Science, 2019, 70, 898-910.	1.8	45
51	Geodiversity and geoheritage: Detecting scientific and geographic biases and gaps through a bibliometric study. Science of the Total Environment, 2019, 659, 1032-1044.	3.9	42
52	Shelter, clothing, and fuel: Often overlooked links between soils, ecosystem services, and human health. Science of the Total Environment, 2019, 651, 134-142.	3.9	32
53	Post-fire soil management. Current Opinion in Environmental Science and Health, 2018, 5, 26-32.	2.1	114
54	Assessment of the impact of different vegetation patterns on soil erosion processes on semiarid loess slopes. Earth Surface Processes and Landforms, 2018, 43, 1860-1870.	1.2	63

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55	Soil ecosystem services, sustainability, valuation and management. Current Opinion in Environmental Science and Health, 2018, 5, 7-13.	2.1	196
56	Assessment of temporal and spatial water quality in international Gomishan Lagoon, Iran, using multivariate analysis. Environmental Monitoring and Assessment, 2018, 190, 314.	1.3	22
57	The effect of soil on human health: an overview. European Journal of Soil Science, 2018, 69, 159-171.	1.8	201
58	The age of vines as a controlling factor of soil erosion processes in Mediterranean vineyards. Science of the Total Environment, 2018, 616-617, 1163-1173.	3.9	32
59	The multidisciplinary origin of soil geography: A review. Earth-Science Reviews, 2018, 177, 114-123.	4.0	98
60	Mapping the environment. Science of the Total Environment, 2018, 610-611, 17-23.	3.9	33
61	Soils, Climate, and Ancient Civilizations. Developments in Soil Science, 2018, 35, 1-28.	0.5	7
62	Spatial distribution of soil organic carbon and total nitrogen stocks in a karst polje located in Bosnia and Herzegovina. Environmental Earth Sciences, 2018, 77, 1.	1.3	9
63	Effectiveness of vegetative buffer strips at reducing runoff, soil erosion, and nitrate transport during degraded hillslope restoration in northern Iran. Land Degradation and Development, 2018, 29, 3194-3203.	1.8	25
64	Soil ecosystem services and human health. Current Opinion in Environmental Science and Health, 2018, 5, 87-92.	2.1	36
65	Developing global pedotransfer functions to estimate available soil phosphorus. Science of the Total Environment, 2018, 644, 1110-1116.	3.9	20
66	Trends in Undergraduate Soil Science Education at Selected Universities in the USA from 2009 to 2013. Soil Science Society of America Journal, 2018, 82, 295-306.	1.2	13
67	Rainfall and land management effects on erosion and soil properties in traditional Brazilian tobacco plantations. Hydrological Sciences Journal, 2018, 63, 1008-1019.	1.2	13
68	Assessment and Monitoring of Soil Degradation during Land Use Change Using Multivariate Analysis. Land Degradation and Development, 2017, 28, 128-141.	1.8	152
69	Spatial distribution of soil chemical properties in an organic farm in Croatia. Science of the Total Environment, 2017, 584-585, 535-545.	3.9	87
70	Comparison of multiple statistical techniques to predict soil phosphorus. Applied Soil Ecology, 2017, 114, 123-131.	2.1	37
71	Role of rock fragment cover on runoff generation and sediment yield in tilled vineyards. European Journal of Soil Science, 2017, 68, 864-872.	1.8	39
72	Modeling soil cation exchange capacity in multiple countries. Catena, 2017, 158, 194-200.	2.2	78

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73	Reduction of the frequency of herbaceous roots as an effect of soil compaction induced by heavy grazing in rangelands of SW Spain. Catena, 2017, 158, 381-389.	2.2	33
74	Runoff initiation, soil detachment and connectivity are enhanced as a consequence of vineyards plantations. Journal of Environmental Management, 2017, 202, 268-275.	3.8	76
75	Temporal changes in soil water erosion on sloping vineyards in the Ruwer- Mosel Valley. The impact of age and plantation works in young and old vines. Journal of Hydrology and Hydromechanics, 2017, 65, 402-409.	0.7	21
76	Assessment of agri-spillways as a soil erosion protection measure in Mediterranean sloping vineyards. Journal of Mountain Science, 2017, 14, 1009-1022.	0.8	37
77	Links Between Soil Security and the Influence of Soil on Human Health. Progress in Soil Science, 2017, , 261-274.	0.4	21
78	The Influence of Organic Carbon and pH on Heavy Metals, Potassium, and Magnesium Levels in Lithuanian Podzols. Land Degradation and Development, 2017, 28, 345-354.	1.8	50
79	Short-term low-severity spring grassland fire impacts on soil extractable elements and soil ratios in Lithuania. Science of the Total Environment, 2017, 578, 469-475.	3.9	41
80	Water analysis via portable X-ray fluorescence spectrometry. Journal of Hydrology, 2017, 544, 172-179.	2.3	38
81	Ecosystem responses to land abandonment in Western Mediterranean Mountains. Catena, 2017, 149, 824-835.	2.2	94
82	Impact of Potentially Contaminated River Water on Agricultural Irrigated Soils in an Equatorial Climate. Agriculture (Switzerland), 2017, 7, 52.	1.4	28
83	Soil Mapping and Processes Modeling for Sustainable Land Management. , 2017, , 29-60.		21
84	Mapping Ash CaCO3, pH, and Extractable Elements Using Principal Component Analysis. , 2017, , 319-334.		2
85	Soil Mapping and Processes Models for Sustainable Land Management Applied to Modern Challenges. , 2017, , 151-190.		6
86	Goal Oriented Soil Mapping. , 2017, , 61-83.		9
87	Historical Perspectives on Soil Mapping and Process Modeling for Sustainable Land Use Management. , 2017, , 3-28.		13
88	Islands of biogeodiversity in arid lands on a polygons map study: Detecting scale invariance patterns from natural resources maps. Science of the Total Environment, 2016, 573, 1638-1647.	3.9	10
89	Heavy metal accumulation related to population density in road dust samples taken from urban sites under different land uses. Science of the Total Environment, 2016, 553, 636-642.	3.9	273
90	The influence of Dan H. Yaalon: His impact on people. Catena, 2016, 146, 147-154.	2.2	3

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91	Long-term effects of soil management on ecosystem services and soil loss estimation in olive grove top soils. Science of the Total Environment, 2016, 571, 498-506.	3.9	112
92	Soil erosion in sloping vineyards assessed by using botanical indicators and sediment collectors in the Ruwer-Mosel valley. Agriculture, Ecosystems and Environment, 2016, 233, 158-170.	2.5	61
93	Selected highlights in American soil science history from the 1980s to the mid-2010s. Catena, 2016, 146, 128-146.	2.2	11
94	Temporal stability of electrical conductivity in a sandy soil. International Agrophysics, 2016, 30, 349-357.	0.7	16
95	Use of barley straw residues to avoid high erosion and runoff rates on persimmon plantations in Eastern Spain under low frequency–high magnitude simulated rainfall events. Soil Research, 2016, 54, 154.	0.6	174
96	Editorial: Historical perspectives and future needs in soil mapping, classification, and pedologic modeling. Geoderma, 2016, 264, 253-255.	2.3	5
97	Effects of soil management techniques on soil water erosion in apricot orchards. Science of the Total Environment, 2016, 551-552, 357-366.	3.9	341
98	Historical highlights in American soil science — Prehistory to the 1970s. Catena, 2016, 146, 111-127.	2.2	12
99	Impact of topographic aspect and vegetation (native and reforested areas) on soil organic carbon and nitrogen budgets in Mediterranean natural areas. Science of the Total Environment, 2016, 544, 963-970.	3.9	132
100	Soil mapping, classification, and pedologic modeling: History and future directions. Geoderma, 2016, 264, 256-274.	2.3	211
101	Is the Traditional Pedologic Definition of Soil Meaningful in the Modern Context?. Soil Horizons, 2015, 56, 1.	0.3	20
102	Are There Arid Land Soilscapes in Southwestern Europe?. Land Degradation and Development, 2015, 26, 853-862.	1.8	27
103	Long-Term No-Tillage Sequesters Soil Organic Carbon in Cool Semiarid Regions. Soil Horizons, 2015, 56, 1.	0.3	24
104	The past, present, and future of soils and human health studies. Soil, 2015, 1, 35-46.	2.2	136
105	The Use of Soil Surveys to Aid in Geologic Mapping with an Emphasis on the Eastern and Midwestern United States. Soil Horizons, 2015, 56, 1.	0.3	21
106	The interdisciplinary nature of <i>SOIL</i> . Soil, 2015, 1, 117-129.	2.2	494
107	Soil organic carbon stocks assessment in Mediterranean natural areas: A comparison of entire soil profiles and soil control sections. Journal of Environmental Management, 2015, 155, 219-228.	3.8	82
108	Soil science and its interface with the history of geology community. Earth Sciences History, 2015, 34, 296-309.	0.2	10

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109	Soil Science: Selected Historical Highlights in Celebration of the Upcoming International Year of Soils. Soil Horizons, 2014, 55, 1.	0.3	1
110	Rates of Pedogenesis in Reclaimed Lands as Compared to Rates of Natural Pedogenesis. Soil Horizons, 2014, 55, 1.	0.3	16
111	The use of electromagnetic induction techniques in soils studies. Geoderma, 2014, 223-225, 33-45.	2.3	301
112	The Potential Impact of Climate Change on Soil Properties and Processes and Corresponding Influence on Food Security. Agriculture (Switzerland), 2013, 3, 398-417.	1.4	120
113	Forty Years of Soil Formation in a South Georgia, USA Borrow Pit. Soil Horizons, 2013, 54, 20.	0.3	35
114	Anthropogenic Impacts on Campsite Soils at Strawberry Lake, North Dakota. Soil Horizons, 2013, 54, 1.	0.3	5
115	Soil Maps of the United States of America. Soil Science Society of America Journal, 2013, 77, 1117-1132.	1.2	28
116	The 2012 Fungal Meningitis Outbreak in the United States: Connections Between Soils and Human Health. Soil Horizons, 2013, 54, 1.	0.3	15
117	Soils and Climate Change: Gas Fluxes and Soil Processes. Soil Horizons, 2012, 53, 12.	0.3	96
118	Evaluation of the FieldScout TDR300 for Determining Volumetric Water Content in Sandy South Georgia Soils. Soil Horizons, 2012, 53, 27.	0.3	3
119	Long-Term Effects of Compaction on Soil Properties Along the Mormon Trail, South-Central Iowa, USA. Soil Horizons, 2012, 53, 37.	0.3	36
120	Analysis of the Representation of Soil Map Units using a Common Apparent Electrical Conductivity Sampling Design for the Mapping of Soil Properties. Soil Horizons, 2012, 53, 32.	0.3	10
121	The Use of Soil Electrical Conductivity to Investigate Soil Homogeneity in Story County, Iowa, USA. Soil Horizons, 2012, 53, 50.	0.3	9
122	Soils and Human Health. , 2012, , 29-56.		23
123	Design and Implementation of a Simple Litter Catch-Basket System for Soil Studies. Soil Horizons, 2012, 53, 38.	0.3	1
124	Evaluation of Electromagnetic Induction to Characterize and Map Sodium-Affected Soils in the Northern Great Plains. Soil Horizons, 2011, 52, 77.	0.3	23
125	Historical Highlights from 75 Years of the Soil Science Society of America. Soil Horizons, 2011, 52, 66.	0.3	6
126	Effect of Traffic Rate and Type on Soil Compaction in Sandy South Georgia Soils. Soil Horizons, 2010, 51, 88.	0.3	10

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127	Soil Science in Mexico: History, Challenges, and the Future. Soil Horizons, 2010, 51, 63.	0.3	3
128	Early soil knowledge and the birth and development of soil science. Catena, 2010, 83, 23-33.	2.2	111
129	Collier Cobb and Allen D. Hole: Geologic mentors to early soil scientists. Physics and Chemistry of the Earth, 2010, 35, 887-894.	1.2	13
130	Ground-Penetrating Radar Investigation of a Rapidly Developed Small Island in a Lake in Southern Georgia, USA. Journal of Cave and Karst Studies, 2010, 72, 94-99.	0.3	4
131	Evaluation of Loss On Ignition Method for Determining Organic Matter of South Georgia Soils. Soil Horizons, 2009, 50, 83.	0.3	4
132	The Teaching of Soil Science in Geology, Geography, Environmental Science, and Agricultural Programs. Soil Horizons, 2009, 50, 120.	0.3	24
133	Comparisons of Soil ECa Maps to an Order 1 Soil Survey for a Central Iowa Field. Soil Horizons, 2008, 49, 36.	0.3	4
134	A Field Comparison of Two Penetrometers. Soil Horizons, 2007, 48, 56.	0.3	1
135	Design of an Inexpensive Thermocouple-Based Soil Thermometer. Soil Horizons, 2006, 47, 71.	0.3	3
136	Soil electrical conductivity as a function of soil water content and implications for soil mapping. Precision Agriculture, 2006, 7, 393-404.	3.1	188
137	The Effect of Changes in Bulk Density on Soil Electrical Conductivity as Measured with the Geonics EM-38. Soil Horizons, 2004, 45, 96.	0.3	33
138	Contributions of Edward Elway Free to American Soil Science in the Early 1900s. Soil Science Society of America Journal, 2004, 68, 904-906.	1.2	4
139	Evaluation of the Relationship between Volumetric Soil Water Content and Readings From a Portable Tensiometer in Sandy South Georgia Soils. Soil Horizons, 2004, 45, 103.	0.3	2
140	Effect of Daily Soil Temperature Fluctuations on Soil Electrical Conductivity as Measured with the Geonics®EM-38. Precision Agriculture, 2004, 5, 145-152.	3.1	41
141	A 5000 year record of carbon sequestration from a coastal lagoon and wetland complex, Southern California, USA. Catena, 2004, 57, 221-232.	2.2	88
142	Contributions of Edward Elway Free to American Soil Science in the Early 1900s. Soil Science Society of America Journal, 2004, 68, 904.	1.2	2
143	Title is missing!. Precision Agriculture, 2003, 4, 331-342.	3.1	37
144	Title is missing!. Precision Agriculture, 2003, 4, 351-358.	3.1	8

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145	Use of the Geonics EM-38 to Delineate Soils in a Loess over Till Landscape, Southwestern Iowa. Soil Horizons, 2003, 44, 16.	0.3	11
146	Problems and Suggestions Concerning the Use of Glacially Deposited Sediment Terminology by Soil Scientists. Soil Horizons, 2003, 44, 64.	0.3	0
147	Effect of soil compaction on organic carbon amounts and distribution, South-Central Iowa. Environmental Pollution, 2002, 116, S137-S141.	3.7	61
148	Influence of Soil Water Content, Clay, Temperature, and Carbonate Minerals on Electrical Conductivity Readings Taken with an EM-38. Soil Horizons, 2002, 43, 9.	0.3	51
149	Problems and Suggestions Related to Soil Classification as Presented in Introduction to Physical Geology Textbooks. Journal of Geoscience Education, 2002, 50, 539-543.	0.8	11
150	George Nelson Coffey, Early Soil Surveyor. Soil Horizons, 2001, 42, 122.	0.3	5
151	The Value of Soils Courses to the Geology Student. Journal of Geoscience Education, 2000, 48, 19-23.	0.8	4
152	A Comparison of Soil Properties in Compacted Versus Non-Compacted Bryant Soil Series Twenty-Five Years After Compaction Ceased. Soil Horizons, 2000, 41, 52.	0.3	10
153	Differentiating Till and Debris Flow Deposits in Glacial Landscapes. Soil Horizons, 2000, 41, 83.	0.3	2
154	Uplift-based limits to the thickness of ice in the Lake Agassiz basin of North Dakota during the Late Wisconsinan. Geomorphology, 2000, 32, 161-169.	1.1	5
155	Improved mappint of the Lake Agassiz Herman strandline by integrating geological and soil maps. , 1999, 22, 253-257.		17
156	George Nelson Coffey, Early American Pedologist. Soil Science Society of America Journal, 1999, 63, 1485-1493.	1.2	27
157	Soil Maps as a Tool in Mapping Poorly Preserved Landforms: A Case Study in Grand Forks County, North Dakota. Soil Horizons, 1998, 39, 61.	0.3	4
158	Straw uses trade-off only after soil organic carbon steady-state. Italian Journal of Agronomy, 0, , 216-220.	0.4	5
159	Soil: Influence on Human Health. , 0, , 1-13.		8
160	Geodiversity Research at the Crossroads: Two Sides of the Same Coin. Spanish Journal of Soil Science, 0, 12, .	0.0	6